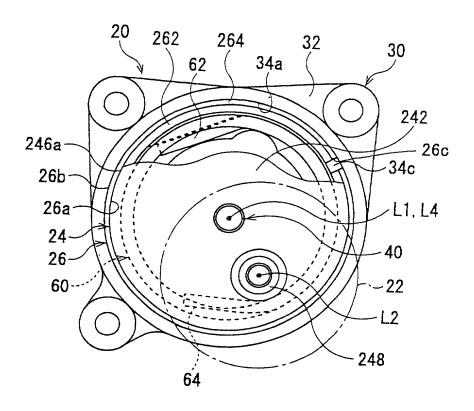
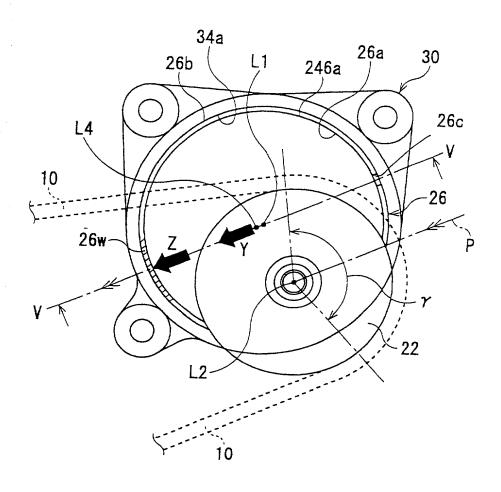


3/17

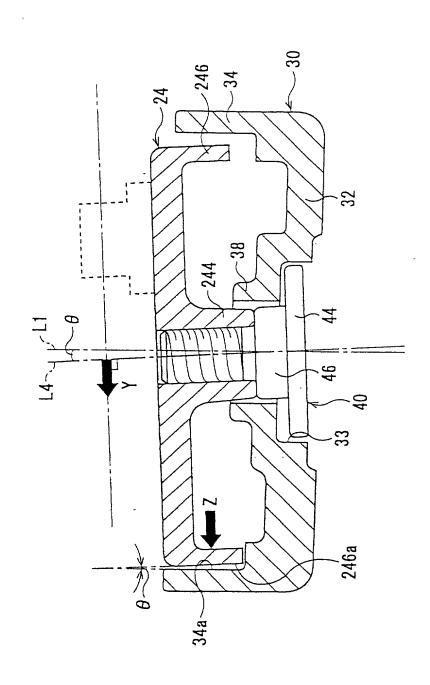
F i g. 3



4/17 Fig. 4



F : 8.5



6/17 Fig.6

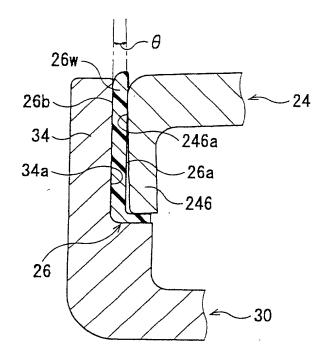


Fig.7

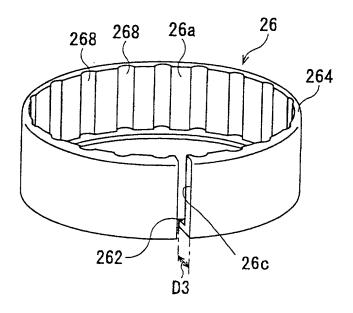


Fig. 8

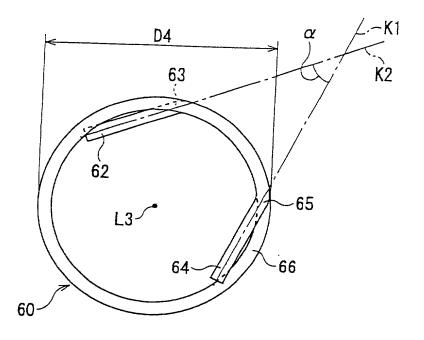


Fig. 9

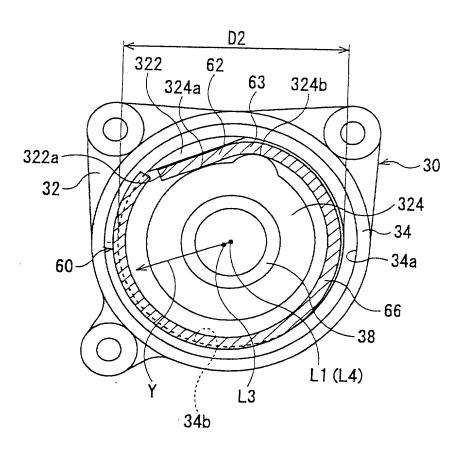
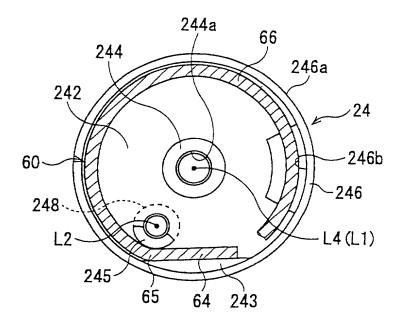
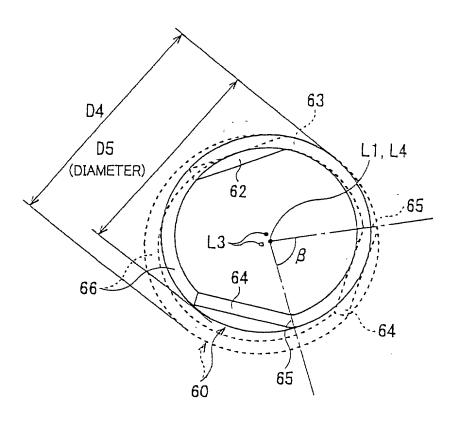


Fig. 10

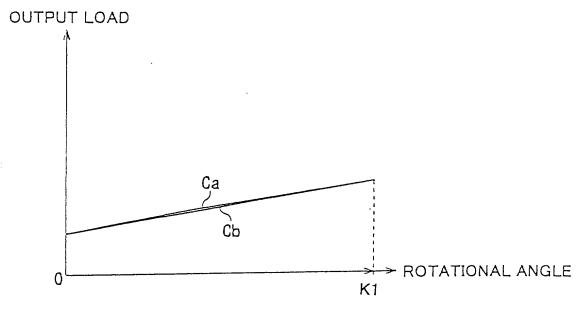


10/17

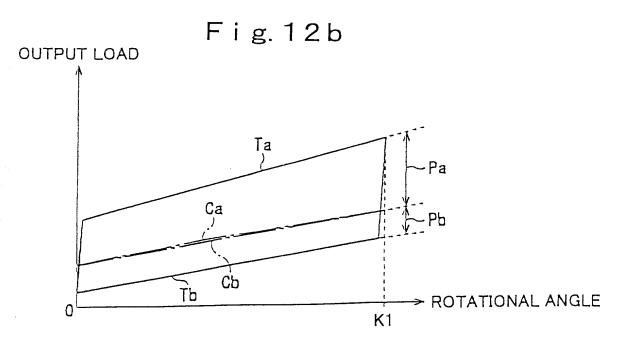
Fig. 11



11/17 Fig. 12a



TORSION COIL SPRING ALONE



TORSION COIL SPRING + BUSHING

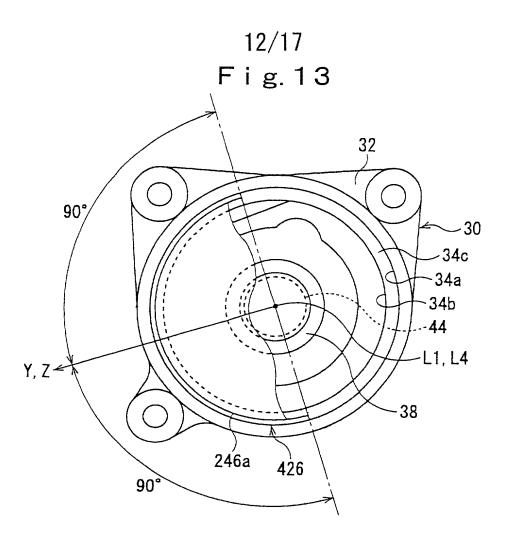
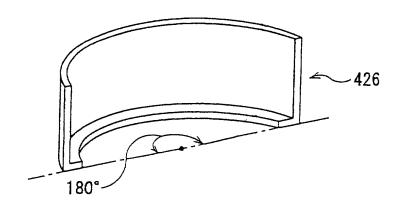


Fig. 14



13/17 Fig. 15

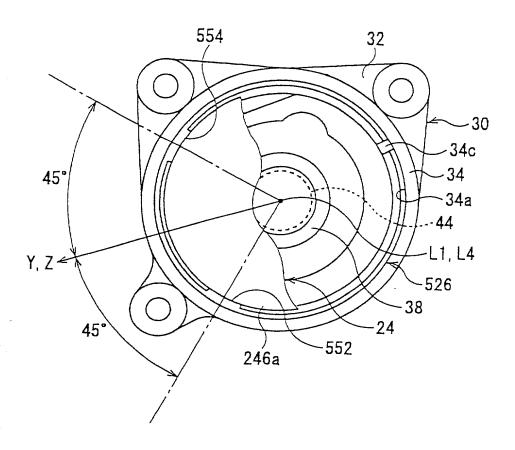
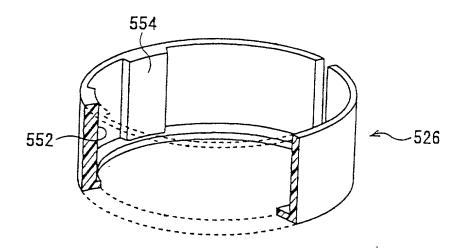
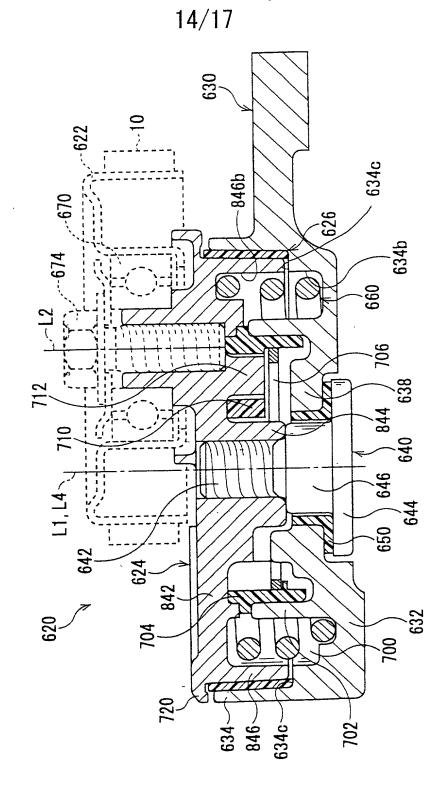


Fig. 16





15/17 Fig. 18

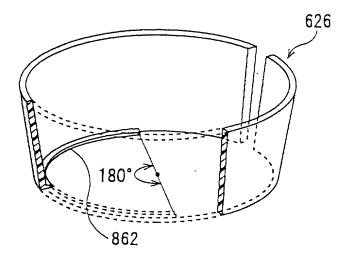


Fig. 19

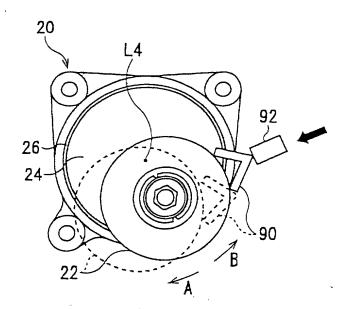
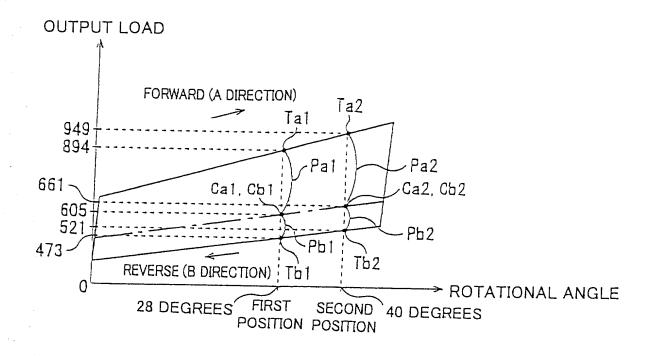
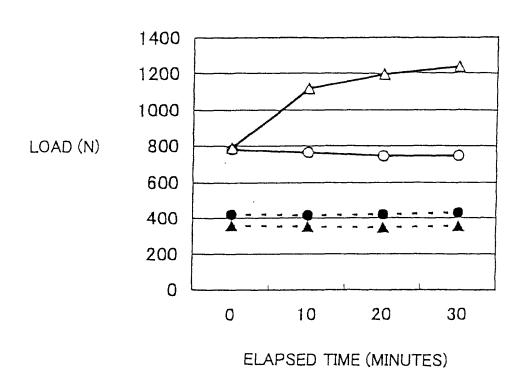


Fig. 20



17/17 Fig. 21

WATER SPRAYING TEST RESULTS



——O— EXAMPLE OF INVENTION (FORWARD OPERATION LOAD)

---●--- EXAMPLE OF INVENTION (REVERSE OPERATION LOAD)

COMPARATIVE EXAMPLE (FORWARD OPERATION LOAD)

COMPARATIVE EXAMPLE (REVERSE OPERATION LOAD)